index was stored at step s25 using:-

$$\hat{f}_{d_{spread}} = \frac{1}{2\pi}\sqrt{\frac{2\hat{b}_2}{\hat{b}_0}}$$

where

$$\hat{b}_2 = E\{\hat{r}^2\} - (E\{\hat{r}\})^2$$

where $E\{\hat{r}^2\}$ is the mean of $\sum_{n=1}^{N}\hat{r}_{nT}^2$ calculated at step s11 of Figure 3 and $E\{\hat{r}\}$ is the

mean of $\sum_{n=1}^{N}\hat{r}_{nT}$ calculated at step s11 of Figure 3 (step s29).
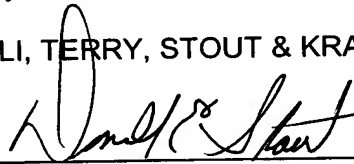
REMARKS

The first equation on page 10 has been amended to conform it to the subject

matter of the claims. For example, see claim 7.

Early action on the merits is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37

C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing

of this paper, including extension of time fees, to Deposit Account No. 01-2135

(367.37314X00) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

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DES:dlh

**VERSION WITH MARKINGS TO SHOW CHANGE MADE
ACCOMPANYING PRELIMINARY AMENDMENT OF MARCH , 2002**

<u>IN THE SPECIFICATION</u>:

The last paragraph on page 9 spanning page 10 was replaced as follows:

When all of the fingers have been processed (step s26), it is determined whether data suitable for speed estimation has been obtained by checking the state of the "finger valid flag" (step s27). If the "finger valid flag" is false, no further calculations are performed and the result of the low speed speed estimating process p2a is noted as being unreliable by setting a reliability flag to false. However, if the "finger valid flag" is true, the Doppler spread $\hat{f}_{d_{spread}}$ is estimated for the last finger whose index was stored at step s25 using:-

$$\hat{f}_{d_{spread}} = \frac{1}{2\pi}\sqrt{\frac{2\hat{b}_2}{\hat{b}_0}}$$

where

$$\hat{b}_2 = E\{\hat{r}^2\} - (E\{\hat{r}\})^2$$

where $E\{\hat{r}^2\}$ is the mean of $\sum_{n=1}^{N}\hat{r}_{nT}^2$ calculated at step s11 of Figure 3 and $E\{\hat{r}\}$ is the mean of $\sum_{n=1}^{N}\hat{r}_{nT}$ calculated at step s11 of Figure 3 (step s29).